



# 1998 Toxics Release Inventory

## MAINE

### Reported Releases and Waste Management Activities (in pounds)

|   | Original Industries | New Industries | Total             |
|---|---------------------|----------------|-------------------|
| On-site Releases                                    | 8,479,612           | 94,137         | 8,573,749         |
| Air Emissions                                       | 6,521,208           | 94,135         | 6,615,343         |
| Surface Water Discharges                            | 1,096,895           | 2              | 1,096,897         |
| Underground Injection Class I Wells                 | 0                   | 0              | 0                 |
| Underground Injection Class II-V Wells              | 0                   | 0              | 0                 |
| On-site Land Releases to RCRA Subtitle C Landfills  | 155,561             | 0              | 155,561           |
| Other On-site Land Releases                         | 705,948             | 0              | 705,948           |
| Off-site Releases (Transfers Off-site to Disposal)* | 1,155,851           | 17,164         | 1,173,015         |
| <b>Total On- and Off-site Releases</b>              | <b>9,635,463</b>    | <b>111,301</b> | <b>9,746,764</b>  |
| Recycled On-site                                    | 9,499,057           | 0              | 9,499,057         |
| Recycled Off-site                                   | 2,145,059           | 0              | 2,145,059         |
| Energy Recovery On-site                             | 9,903,867           | 0              | 9,903,867         |
| Energy Recovery Off-site                            | 299,639             | 0              | 299,639           |
| Treated On-site                                     | 64,160,587          | 4,940          | 64,165,527        |
| Treated Off-site**                                  | 360,869             | 23,972         | 384,841           |
| Quantity Released On- and Off-site***               | 9,800,532           | 103,310        | 9,903,842         |
| <b>Total Production-related Waste Managed</b>       | <b>96,169,610</b>   | <b>132,222</b> | <b>96,301,832</b> |
| <b>Total Non-production-related Waste Managed</b>   | <b>934</b>          | <b>2</b>       | <b>936</b>        |

### Transfers Off-site for Further Waste Management/Disposal

|   |                  |               |                  |
|---|------------------|---------------|------------------|
| Recycling   | 2,159,025        | 0             | 2,159,025        |
| Energy Recovery   | 294,062          | 0             | 294,062          |
| Treatment   | 81,444           | 8,697         | 90,141           |
| Publicly Owned Treatment Works (POTWs)                                    | 327,610          | 0             | 327,610          |
| Metals and Metal Compounds*   | 57,292           | 0             | 57,292           |
| Non-metal TRI Chemicals**   | 270,318          | 0             | 270,318          |
| Other Off-site Transfers****  | 3,504            | 0             | 3,504            |
| Off-site Transfers to Disposal<br>(not including metals to POTWs)         | 1,099,365        | 17,164        | 1,116,529        |
| <b>Total Transfers Off-site for Further<br/>Waste Management/Disposal</b> | <b>3,965,010</b> | <b>25,861</b> | <b>3,990,871</b> |

\* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.

\*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

\*\*\*\*Transfers reported without a valid waste management code.

### For More Information . . .

#### State Contact:

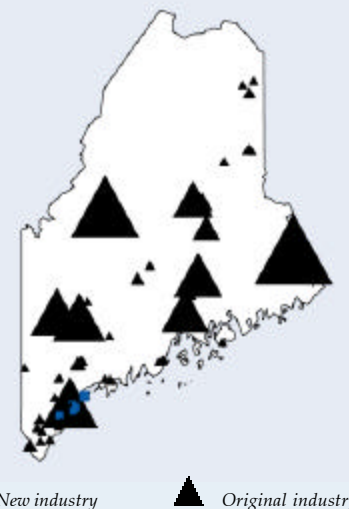
Rayna Leibowitz  
(207) 626-4503  
Fax: (207) 626-4499

#### EPA Regional Contact:

Dwight Peavey  
(617) 918-1829  
Fax: (617) 918-1810

#### To obtain TRI data use assistance, call TRI User Support Service (TRI-US):

(202) 260-1531  
Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of Maine. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

### State/TRI Data

|                  |           |
|------------------|-----------|
| Population       | 1,244,250 |
| Square Miles     | 30,865    |
| Total Facilities | 88        |
| Total Forms      | 337       |
| Form As          | 35        |

|   | Original Industries | New Industries | Total      |
|---|---------------------|----------------|------------|
| <b>National Rank for Total On- and Off-site Releases*</b> |                     |                |            |
| Rank  | 37                  | 50             | 47         |
| Pounds  | 9,635,463           | 111,301        | 9,746,764  |
| <b>National Rank for Total On-site Releases**</b>         |                     |                |            |
| Rank  | 38                  | 50             | 46         |
| Pounds  | 8,479,612           | 94,137         | 8,573,749  |
| <b>National Rank for Total Releases within State***</b>   |                     |                |            |
| Rank  | 37                  | 50             | 46         |
| Pounds  | 9,495,798           | 182,525        | 9,678,323  |
| <b>National Rank for Production-related Waste Managed</b> |                     |                |            |
| Rank  | 37                  | 50             | 42         |
| Pounds  | 96,169,610          | 132,222        | 96,301,832 |

\* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.

\*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



# 1998 Toxics Release Inventory

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### On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

| CAS Number | Chemical            | On-Site Releases     |                                 |                              |                                 | Off-site Releases                      | Total Releases in the State** | Off-site Transfers to Disposal |                                 |                                 |
|------------|---------------------|----------------------|---------------------------------|------------------------------|---------------------------------|--|-------------------------------|--------------------------------|---------------------------------|---------------------------------|
|            |                     | Air Emissions Pounds | Surface Water Discharges Pounds | Underground Injection Pounds | On-site Releases to Land Pounds | Transfers Off-site to Disposal* Pounds |                               | Transferred Into State Pounds  | Transferred Within State Pounds | Transferred Out of State Pounds |
| 67-56-1    | Methanol            | 2,445,504            | 280,608                         | 0                            | 9,436                           | 23,710                                 | 2,759,258                     | 386                            | 23,710                          | 0                               |
| —          | Manganese compounds | 5,054                | 149,338                         | 0                            | 458,583                         | 319,758                                | 932,733                       | 250                            | 278,758                         | 41,000                          |
| 7664-41-7  | Ammonia             | 753,320              | 44,753                          | 0                            | 0                               | 0                                      | 798,073                       | 0                              | 0                               | 0                               |
| 7664-93-9  | Sulfuric acid       | 739,789              | 0                               | 0                            | 0                               | 0                                      | 739,789                       | 0                              | 0                               | 0                               |
| 7647-01-0  | Hydrochloric acid   | 685,062              | 0                               | 0                            | 0                               | 0                                      | 685,062                       | 0                              | 0                               | 0                               |
| —          | Zinc compounds      | 25,880               | 36,133                          | 0                            | 188,848                         | 405,235                                | 656,096                       | 17,788                         | 397,505                         | 7,730                           |
| —          | Nitrate compounds   | 500                  | 355,100                         | 0                            | 0                               | 7,103                                  | 362,703                       | 0                              | 7,103                           | 0                               |
| 110-54-3   | n-Hexane            | 353,450              | 0                               | 0                            | 0                               | 0                                      | 353,450                       | 0                              | 0                               | 0                               |
| 67-66-3    | Chloroform          | 258,799              | 6,554                           | 0                            | 20                              | 1,672                                  | 267,045                       | 0                              | 1,672                           | 0                               |
| 75-07-0    | Acetaldehyde        | 247,661              | 17,526                          | 0                            | 18                              | 116                                    | 265,321                       | 0                              | 124                             | 0                               |

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.

### On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

| CAS Number | Chemical                | On-Site Releases     |                                 |                              |                                 | Off-site Releases                      | Total Releases in the State** | Off-site Transfers to Disposal |                                 |                                 |
|------------|-------------------------|----------------------|---------------------------------|------------------------------|---------------------------------|--|-------------------------------|--------------------------------|---------------------------------|---------------------------------|
|            |                         | Air Emissions Pounds | Surface Water Discharges Pounds | Underground Injection Pounds | On-site Releases to Land Pounds | Transfers Off-site to Disposal* Pounds |                               | Transferred Into State Pounds  | Transferred Within State Pounds | Transferred Out of State Pounds |
| 7647-01-0  | Hydrochloric acid       | 43,000               | 0                               | 0                            | 0                               | 0                                      | 43,000                        | 0                              | 0                               | 0                               |
| 1634-04-4  | Methyl tert-butyl ether | 20,574               | 0                               | 0                            | 0                               | 3,221                                  | 23,795                        | 0                              | 2,721                           | 500                             |
| 91-20-3    | Naphthalene             | 9,479                | 0                               | 0                            | 0                               | 5,852                                  | 15,331                        | 0                              | 5,602                           | 250                             |
| 71-43-2    | Benzene                 | 5,053                | 1                               | 0                            | 0                               | 2,741                                  | 7,795                         | 0                              | 2,241                           | 500                             |
| 108-88-3   | Toluene                 | 4,038                | 0                               | 0                            | 0                               | 1,250                                  | 5,288                         | 0                              | 750                             | 500                             |
| 75-65-0    | tert-Butyl alcohol      | 2,575                | 0                               | 0                            | 0                               | 1,850                                  | 4,425                         | 0                              | 1,600                           | 250                             |
| 110-54-3   | n-Hexane                | 3,163                | 0                               | 0                            | 0                               | 250                                    | 3,413                         | 0                              | 0                               | 250                             |
| 1330-20-7  | Xylene (mixed isomers)  | 2,533                | 1                               | 0                            | 0                               | 750                                    | 3,284                         | 0                              | 250                             | 500                             |
| 100-41-4   | Ethylbenzene            | 1,850                | 0                               | 0                            | 0                               | 750                                    | 2,600                         | 0                              | 250                             | 500                             |
| 110-82-7   | Cyclohexane             | 1,000                | 0                               | 0                            | 0                               | 500                                    | 1,500                         | 0                              | 250                             | 250                             |

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.



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### On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

| Facility, City, County  | On-site Releases        |                                    |                         |                            |                                     |                                       | Total On-site Releases*<br>Pounds | Off-site Releases<br>(Transfers Off-site to Disposal) |                                    |
|---|-------------------------|------------------------------------|-------------------------|----------------------------|-------------------------------------|---------------------------------------|-----------------------------------|---|------------------------------------|
|   | Underground Injection   |                                    |                         | On-site Releases to Land   |                                     |                                       |                                   | Transferred Within State<br>Pounds                    | Transferred Out of State<br>Pounds |
|   | Air Emissions<br>Pounds | Surface Water Discharges<br>Pounds | Class I Wells<br>Pounds | Class II-V Wells<br>Pounds | RCRA Subtitle C Landfills<br>Pounds | Other On-site Land Releases<br>Pounds |                                   |   |                                    |
| Georgia Pacific Corp. Pulp & Bleached Board Div., Baileyville, Washington     | 748,905                 | 310,260                            | 0                       | 0                          | 128,561                             | 0                                     | 1,187,726                         | 0   | 0                                  |
| S. D. Warren Co. (Sappi Fine Paper North America), Skowhegan, Somerset        | 645,654                 | 55,173                             | 0                       | 0                          | 0                                   | 321,073                               | 1,021,900                         | 0   | 0                                  |
| S. D. Warren Co., Westbrook, Cumberland                                       | 722,597                 | 78,572                             | 0                       | 0                          | 0                                   | 19,200                                | 820,369                           | 5,260   | 48,664                             |
| International Paper, Jay, Franklin  | 551,755                 | 135,780                            | 0                       | 0                          | 0                                   | 73,301                                | 760,836                           | 0   | 0                                  |
| Mead Publishing Paper Div., Rumford, Oxford                                   | 649,788                 | 102,800                            | 0                       | 0                          | 0                                   | 0                                     | 752,588                           | 550,677   | 0                                  |
| Fort James Corp., Old Town, Penobscot   | 594,410                 | 99,946                             | 0                       | 0                          | 0                                   | 0                                     | 694,356                           | 33,476  | 0                                  |
| Champion Intl. Corp., Bucksport, Hancock                                      | 420,501                 | 292                                | 0                       | 0                          | 0                                   | 249,269                               | 670,062                           | 0   | 0                                  |
| Bowater/Great Northern Paper Inc., Millinocket, Penobscot                     | 424,508                 | 116,800                            | 0                       | 0                          | 0                                   | 0                                     | 541,308                           | 830   | 0                                  |
| Spinnaker Coating, Westbrook, Cumberland                                      | 406,534                 | 0                                  | 0                       | 0                          | 0                                   | 0                                     | 406,534                           | 0   | 0                                  |
| Lincoln Pulp & Paper Co. Inc., Eastern Paper Lincoln Mill, Lincoln, Penobscot | 265,983                 | 18,520                             | 0                       | 0                          | 0                                   | 42,200                                | 326,703                           | 15,550  | 0                                  |

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

### On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

| Facility, City, County   | On-site Releases        |                                    |                         |                            |                                     |                                       | Total On-site Releases*<br>Pounds | Off-site Releases<br>(Transfers Off-site to Disposal) |                                    |
|--|-------------------------|------------------------------------|-------------------------|----------------------------|-------------------------------------|---------------------------------------|-----------------------------------|---|------------------------------------|
|  | Underground Injection   |                                    |                         | On-site Releases to Land   |                                     |                                       |                                   | Transferred Within State<br>Pounds                    | Transferred Out of State<br>Pounds |
|  | Air Emissions<br>Pounds | Surface Water Discharges<br>Pounds | Class I Wells<br>Pounds | Class II-V Wells<br>Pounds | RCRA Subtitle C Landfills<br>Pounds | Other On-site Land Releases<br>Pounds |                                   |   |                                    |
| W.F. Wyman Steam Station, Yarmouth, Cumberland                           | 43,001                  | 0                                  | 0                       | 0                          | 0                                   | 0                                     | 43,001                            | 0   | 0                                  |
| Gulf Oil Ltd. Ptnr., South Portland Terminal, South Portland, Cumberland | 24,427                  | 0                                  | 0                       | 0                          | 0                                   | 0                                     | 24,427                            | 13,664  | 2,000                              |
| Mobil Oil, South Portland Terminal, South Portland, Cumberland           | 13,288                  | 0                                  | 0                       | 0                          | 0                                   | 0                                     | 13,288                            | 0   | 1,500                              |
| Motiva S. Portland Terminal, South Portland, Cumberland                  | 12,062                  | 2                                  | 0                       | 0                          | 0                                   | 0                                     | 12,064                            | 0   | 0                                  |
| Northeast Petroleum, South Portland Terminal, South Portland, Cumberland | 1,010                   | 0                                  | 0                       | 0                          | 0                                   | 0                                     | 1,010                             | 0   | 0                                  |
| Monson Cos. Inc., South Portland, Cumberland                             | 347                     | 0                                  | 0                       | 0                          | 0                                   | 0                                     | 347                               | 0   | 0                                  |
|  |                         |                                    |                         |                            |                                     |                                       |                                   |   |                                    |
|  |                         |                                    |                         |                            |                                     |                                       |                                   |   |                                    |
|  |                         |                                    |                         |                            |                                     |                                       |                                   |   |                                    |

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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## MAINE

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

| Facility, City, County  | Recycled<br>On-site<br>Pounds | Recycled<br>Off-site<br>Pounds | Energy<br>Recovery<br>On-site<br>Pounds | Energy<br>Recovery<br>Off-site<br>Pounds | Treated<br>On-site<br>Pounds | Treated<br>Off-site<br>Pounds | Quantity<br>Released On-<br>and Off-site* | Total<br>Production-<br>related Waste<br>Managed<br>Pounds | Total Non-<br>Production-<br>related Waste<br>Managed<br>Pounds |
|---|-------------------------------|--------------------------------|---|--|------------------------------|-------------------------------|---|--|---|
| Mead Publishing Paper Div., Rumford, Oxford                               | 0                             | 0                              | 2,791,300                               | 0  | 11,193,380                   | 0                             | 1,303,499                                 | 15,288,179   | 30  |
| Georgia Pacific Corp. Pulp & Bleached Board Div., Baileyville, Washington | 0                             | 0                              | 0                                       | 0  | 8,840,710                    | 0                             | 1,187,661                                 | 10,028,371   | 0   |
| S. D. Warren Co. (Sappi Fine Paper North America), Skowhegan, Somerset    | 0                             | 0                              | 659,000                                 | 0  | 10,600,500                   | 0                             | 1,025,300                                 | 12,284,800   | 0   |
| S. D. Warren Co., Westbrook, Cumberland                                   | 1,049,400                     | 0                              | 244,041                                 | 46,700                                   | 5,195,200                    | 3                             | 948,968                                   | 7,484,312  | 0   |
| International Paper, Jay, Franklin  | 0                             | 0                              | 28,049                                  | 0  | 10,674,000                   | 0                             | 772,930                                   | 11,474,979   | 50  |
| Fort James Corp., Old Town, Penobscot                                     | 0                             | 0                              | 13,000                                  | 0  | 6,642,100                    | 0                             | 724,115                                   | 7,379,215  | 0   |
| Champion Intl. Corp., Bucksport, Hancock                                  | 0                             | 0                              | 0                                       | 0  | 0                            | 0                             | 669,957                                   | 669,957  | 0   |
| Bowater/Great Northern Paper Inc., Millinocket, Penobscot                 | 0                             | 0                              | 0                                       | 0  | 2,084,000                    | 0                             | 537,108                                   | 2,621,108  | 0   |
| Spinnaker Coating, Westbrook, Cumberland                                  | 3,758,812                     | 0                              | 0                                       | 5,058                                    | 0                            | 0                             | 406,533                                   | 4,170,403  | 0   |
| Bowater/Great Northern Paper Inc., East Millinocket, Penobscot            | 0                             | 0                              | 0                                       | 0  | 20,000                       | 0                             | 350,300                                   | 370,300  | 0   |

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

| Facility, City, County   | Recycled<br>On-site<br>Pounds | Recycled<br>Off-site<br>Pounds | Energy<br>Recovery<br>On-site<br>Pounds | Energy<br>Recovery<br>Off-site<br>Pounds | Treated<br>On-site<br>Pounds | Treated<br>Off-site<br>Pounds | Quantity<br>Released On-<br>and Off-site* | Total<br>Production-<br>related Waste<br>Managed<br>Pounds | Total Non-<br>Production-<br>related Waste<br>Managed<br>Pounds |
|--|-------------------------------|--------------------------------|---|--|------------------------------|-------------------------------|---|--|---|
| W.F. Wyman Steam Station, Yarmouth, Cumberland                           | 0                             | 0                              | 0                                       | 0  | 0                            | 0                             | 43,001                                    | 43,001   | 0   |
| Gulf Oil Ltd. Ptnr., South Portland Terminal, South Portland, Cumberland | 0                             | 0                              | 0                                       | 0  | 0                            | 15,275                        | 24,334                                    | 39,609   | 0   |
| Motiva S. Portland Terminal, South Portland, Cumberland                  | 0                             | 0                              | 0                                       | 0  | 0                            | 8,697                         | 20,761                                    | 29,458   | 0   |
| Mobil Oil, South Portland Terminal, South Portland, Cumberland           | 0                             | 0                              | 0                                       | 0  | 0                            | 0                             | 14,818                                    | 14,818   | 0   |
| Monson Cos. Inc., South Portland, Cumberland                             | 0                             | 0                              | 0                                       | 0  | 4,940                        | 0                             | 347                                       | 5,287  | 2   |
| Northeast Petroleum, South Portland Terminal, South Portland, Cumberland | 0                             | 0                              | 0                                       | 0  | 0                            | 0                             | 48  | 48   | 0   |
| Mason Steam Station, Wiscasset, Lincoln                                  | 0                             | 0                              | 0                                       | 0  | 0                            | 0                             | 1   | 1  | 0   |
|  |                               |                                |   |  |                              |                               |   |  |   |
|  |                               |                                |   |  |                              |                               |   |  |   |

\*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.